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(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

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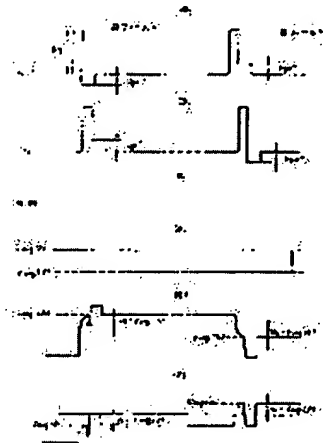
(72)Inventor : MINAMINO YUTAKA  
NAGATA SEIICHI  
TAKEDA ETSUO

## (54) METHOD FOR DRIVING LIQUID CRYSTAL DISPLAY DEVICE

### (57)Abstract:

**PURPOSE:** To improve image quality and reliability by impressing a modulating signal in addition to a scanning signal to scanning electrodes of TFTs and changing the magnitude of the modulating signal by the even number and odd number scanning electrodes and further reversing this relation in odd fields and even fields.

**CONSTITUTION:** The modulating signal  $V_{ge}$  in addition to the scanning signal voltage  $V_g$  for turning on the TFTs are impressed to scanning signal wirings. This  $V_{ge}$  varies in the directions and amplitudes of the respective modulations in the even number scanning electrodes and the odd number scanning electrodes with  $V_g=0$  as a center. This relation is reversed in the odd fields and the even fields. The averages of the voltages of the source electrodes and picture element electrodes to transmit the image signal  $V_{sig}$  and a counter electrode are equaled in this way and the impression of the DC voltage as time average in any part within the liquid crystal panel is obviated and, therefore, the liquid crystal display panel having the high reliability and high image quality which is free from the deterioration in the display quality and the seizure of the patterns is obtained.



## LEGAL STATUS

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